

NOTES ON A FEW OF THE RARER NEW ENGLAND LEPIDOPTERA.

BY WM. T. M. FORBES, WORCESTER, MASS.

THESE are odds and ends in the way of rarities picked up during several years of collecting. I am indebted to quite a number of entomologists for naming specimens for me, especially to Mr. Busck for naming my *Micros*.

Anosia plexippus fumosa; Worcester, fall of 1900. It was quite common here that year, but I have not seen it once since.

Enptoicta claudia: Worcester, Aug., 1900.

Argynnis cybele: At Crotch Island, near Friendship, Me., the dwarf form almost entirely replaced the usual ones.

Cinelidia harrisii: Worcester.

Basilarchia: The majority of *astyanax* (?) I have caught at Worcester show traces of *arthemis* characters, such as a bit of white band below, or red spots on the hind wing above.

Satyrus alope maritima: Commoner than the type at Friendship, Me.

Chrysophanus hypophlaeas fasciata at Worcester, Westboro, and Fitzwilliam, N. H.

“ “ *fulliolus*: Worcester, June.

Feniseca tarquinius is certainly not limited by the Connecticut valley. West Swanzey, N. H., Aug. 8, 16; Worcester, July 12; caterpillar webs common at Worcester.

Pieris oleracea hiemalis: Slaterville, N. Y.

“ “ *virginiensis*: Mt. Killington, Vt., not rare.

Oleracea differs not only in looks but in manner of flight from *P. napi* of Europe.

P. rapae immaculata: Amherst, Mass., May 8; Worcester, May 20. Does not seem so common or so well marked as in Europe (Constantinople).

P. protodice: Worcester, August, 1901.

Eurema lisa: West Swanzey, N. H., Aug. 27, 1903.

Eurymus philodice: A specimen of the spring-brood albino female at Amherst, June 5,

Eurymus eurytheme: A typical female (*amphidusa*) was caught at Seal Harbor, Me., by E. Q. Abbot of Worcester.

Papilio cresphontes: Amherst, Mass.

Lerema hianna: South Hadley, Mass., on the slope of the Holyoke range.

Eacles imperialis: South Hero, Vt. (caterpillar.) If what Packard writes is true, this will extend its range the whole length of a state (Monograph of the Bombycine moths, II, 126).

- Anisota senatoria* is common at South Hero, Vt. (caterpillars).
Apantesis phyllira: Amherst, June 5.
Ammalo tenera: Worcester, July 4.
Estigmane acraea: I have bred a male in which all the white of the wings was slate gray, and the yellow was very dark and dull. The body is as bright as usual. (var. *dubia* ?)
Estigmene antigone: Paxton, Mass. June.
Diacrisia latipennis: Amherst, June 14; Worcester, June 29.
Phragmatobia assimilians: Worcester, May; found dead under a light.
Panthea furcilla: West Swanzey, N. H., found dead.
Charadra deridens: Amherst, Mass., June 4.
Baileya doubledayi: Amherst, June 13; West Swanzey, Aug. 10.
Adita chionanthi: Amherst, Sept. 22.
Caradrina miranda: Amherst, May 12, 18.
Crambodes talidiformis: Amherst, June 20.
Amolita fessa: Worcester, July 8 and 10.
Feralia jocosa: Amherst, May 4.
Ufeus satyricus: Amherst, found dead.
Noctua fennica: Worcester, Sept. 12.
Papaipema rigida: Amherst, Sept.
P. inquaesite: Amherst, Sept. 21 to Oct. 12. The commonest Gortynid there; both with and without the white spots.
P. impecuniosa: Amherst, Sept. 21.
P. limpida: Amherst, October.
Xylotype capax: Amherst, Oct. 19.
Mamestra congermana: Worcester, July 12.
M. rubefacta: Amherst, June 12.
Eucalyptera humeralis ? Worcester, June 25 to July 24. Very common and very fragile.
Erastria albidula: Looks almost exactly like the last on the wing, and flies with it, June 14 to July 27.
Tarache terminimacula: Worcester, July 23.
Salia interpuncta: Found dead in lights at Holyoke, Mass.
Eudeilinea herminiata: Amherst, May 18.
Calledapteryx dryopterata: Amherst, June 19.
Nyctobia limitata: Amherst, April 22.
Phigalia titea: Amherst, May 5.

- Apaccasia deductaria*: Worcester, June 10.
Metrocampa praegrandaria: Amherst, June 11; Worcester, Sept 12.
Lagoa crispata: caterpillar common at Amherst.
Thyris maculata: Worcester, July 12.
Blepharomastrix stenialis: Amherst, June 3.
Glyphodes hyalinata: Amherst, Oct. 4.
Loxostege obliteralis: Worcester, June 28, July 24.
L. extricalis: Worcester, June 8.
Phlytaenia tertialis: Amherst, June 2, 4.
Pyrausta aeglealis: Amherst, June 11.
P. thesusalis: Worcester, June 13.
Nymphula badiusalis: Westborough, July 19, common at Hockomocko pond.
Schaenobius unipunctellus: Worcester, July 19.
Peoria haematella: Worcester, June 16 to July 4.
Oxiptilus tenuidactylus: Worcester, July 30.
 marginidactyla: Worcester, June 21.
Pterophorus brucei: Worcester, July 5.
P. elliotii: Worcester, common early in July.

CHERMES OF MAINE SPRUCES.

BY EDITH M. PATCH, ORONO, MAINE.

Six species of gall forming *Chermes* have been under observation on spruces in the vicinity of Orono during the season of 1909.

1. *Chermes pinifoliae* Fitch. This dark species develops in a cone-like gall on the black and red spruce (in which connection it was named *abieticolens* in 1879 by Thomas and subsequently merged by error with *abietis* in 1897) and migrates to the needles of the white pine to oviposit (in which connection it had been previously named *pinifoliae* by Fitch in 1858, and merged by error with *pinicorticis* in 1869). A historical discussion with full reasons for resurrecting this doubly merged species under the original name of *pinifoliae*, which has been discarded for about 40 years, will be published presently together with a technical description of the species, by the Maine Agricultural Experiment Station.